## **BS-360E**

## Chemistry Analyzer

## **Technical Specifications**

Automatic, Discrete, Random Access, Bench-top

STAT sample priority

**System function** 

Throughput: Up to 360 photometric tests per hour,

up to 540 T/H with ISE

Measuring principles: Absorbance photometry,

turbidimetry, ion selective electrode

technology

Methodology: End-point, Fixed-time, Kinetic,

optional ISE,

Single/Double reagent chemistries,

Mono-chromatic / bi-chromatic

Original system pack reagent ready to use Close system and open system is optional

Reagent/Sample Handling

Reagent/Sample tray: 50 to 100 positions for reagents and 50

to 100 positions for samples in 24-hour

refrigerated compartment (2~12°C)

Reagent volume: R1:  $100\sim200\mu L$ , step by  $0.5\mu L$ 

R2: 10~200 $\mu$ L, step by 0.5 $\mu$ L

Sample volumne:  $2\sim35\mu\text{L}$ , step by  $0.1\mu\text{L}$ 

Reagent/Sample probe: Liquid level detection, vertical collision

protection, inventory checking, reagent pre-warming, optional clog

detection

Probe cleaning: Automatic washing for interior and

exterior

Carry over < 0.05%

Automatic sample dilution: Pre-dilution and post-dilution

Mixing Unit: Independent mixing bar

**Built-in Bar Code Reader (Optional)** 

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Used for sample and reagent programming

Be applicable to various bar code systems of Codabar, ITF

(Interleaved Two of Five), code128, code39, UPC/EAN, Code93 Capable to communicate with LIS in bi-directional mode

High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China

Reaction System

Reaction tray: 80 reusable cuvettes

Reaction volume:  $100\sim360\mu L$ Reaction temperature:  $37\% \pm 0.1\%$ 

Cuvette Washing: Washing station with pre-warmed

detergent and de-ionized water

ISE Module (optional)

Measuring K+, Na+, Cl-

Optical System

Light Source: Halogen-tungsten lamp

Wavelength: 12 wavelengths, 340nm, 380nm, 412nm,

450nm, 505nm, 546nm, 570nm, 605nm,

660nm, 700nm, 740nm, 800nm

Absorption range: 0~3.5Abs, resolution 0.0001Abs

Stray Light: 4.9Abs

**Control and Calibration** 

Calibration modes: K factor, Linear (two points and multi-

points), Logit-Log 4P, Logit-Log 5P, Spline,

Exponential, Polynomial, Parabola,

One key calibrator import function

Logit-Log3P, Broken line

Control Rules: Westgard multi-rule, Levey-Jennings,

Cumulative sum check, Twin plot

Operation Unit

Operation system: Windows 10

Interface: RS-232

**Working Conditions** 

Power Supply: 200~240V, 50/60Hz, ≤1300VA or

100~130V, 60Hz, ≤1300VA

Dimension: 860 mm (length)  $\times$  660 mm (depth)  $\times$ 

550 mm (height)

Weight: 115 kg Water Consumption:  $\leq$  6.5 L/H

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**BS-360E** 

**Chemistry Analyzer** 

Compact yet Robust

